

Wasp Micro Aerial Vehicle (MAV)

Purpose: Provide a “real time” ISR capability below the Company level.

Background: Wasp is a small UAV or MAV (~12 inch wing span; ~200 grams; ~30 miles per hour) that will provide squads and platoons with an unmanned air vehicle that possesses extremely low visual and acoustic signatures. WASP will complement the operational capabilities of existing Marine Corps unmanned air vehicles such as Dragon Eye, which support operations at the company-level and above. DARPA has partnered with MCCDC to provide 21 systems (approximately 84 vehicles) to the Marine Corps over an 18-month period for operational assessment. DARPA is paying for all costs associated with the 21 systems.

Description: Over a period of 18 months with three blocks of systems possessing spirally increasing capabilities, MCWL will conduct rigorous technical and operational assessment of Wasp. Block I is being used for technical assessment, while Blocks II and III will focus on operational assessments. While Block II will be a more robust design internally, Block III is planned with a near IR capability.



Deliverable Product(s): The deliverable will be a detailed recommendation to Marine Corps leadership as to the suitability and desirability of incorporating Wasp into the SURSS program of record as a member of the USMC family of aerial sensors.

Milestones:

TASKS	FY06	FY07	FY08
Block I LTA	▲▲		
Block II Extended Operational Assessment	▲—▲		
Block III Extended Operational Assessment		▲—▲	
USMC Procurement Decision		▲—▲	

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